

Aerojet Rocketdyne Activities –July 2016
(Bold Items shown on Figure)

- A **GET L-A**
- B **GET L-B**
- C **ARGET**
- D **AC-6**
- E **AC-12**
- F **AC-18** and **AC-23**.
- G **AC-24**
- H **GET AB** –No changes.
- I **GET E/F** A fifth air stripper has been purchased and is being installed (mainly for treatment of chloroform.) The connection of 6 extraction wells at the Sprayfield (IRCTS) will happen later this year. Wellhead improvements are being designed and implemented for those 6 wells and the pipeline is already constructed.
- J **GET D** – No longer exists.
- K **GET J** – No changes.
- L **GET K**
- M **GET H**
- N **White Rock Road North Dump -**
- O **New Monitor Wells/Extraction Wells:**
 - 1. Completed extraction well components at two extraction wells south of White Rock Road North Dump. Layer D. One to GET AB one to White Rock GET.
 - 2. Evaluating a new extraction well in Ancil Hoffman or Rossmoor Bar Park. Currently planning four additional monitor wells in this area prior to selecting extraction well location.
 - 3. Evaluating remedy enhancement west and north of **GET LB**. Completed construction of new monitor wells and now looking at extraction well placement
 - 4. Initially had 13 wells are planned for this year – 2 extraction wells and 11 monitor wells (up to three completions each). Completed all except one of the original 13. The last one is in the American River Study Area.
- P **Chettenham Well**
- Q Sacramento County Water Supply Replacement Issues. Golden State Water Company and Carmichael Water District are working on a project to bring American River water to Golden State. First stage of pipeline on south side of river has been installed. Having to wait until April 2016 to complete the project. Aerojet submitted a Short-Term Water Supply Replacement Contingency Plan and it is under Agency review.
- R Draft Soils Engineering Evaluation and Cost Analysis – On hold, NO CHANGES.
- S Western Groundwater Operable Unit. Aerojet submitted an Outer Barrier Performance Evaluation Report at the end of February, Agencies have supplied comments. Aerojet also submitted the 4th Quarter 2015 Compliance Monitor Report.
- T Perimeter Operable Unit –. Aerojet operating the Area 4900 SVE system. Have completed hooking up the recently completed additional extraction wells and they are available for use. Agencies and Aerojet are working on Land Use Covenants – completed and signed those for C41 and C29.
- U Boundary OU. NO CHANGES EPA working on the implementing order for the ROD.
- V Island OU – Aerojet will be going out and collecting additional samples to fill data gaps over the next 1-2 years. Aerojet has submitted draft Feasibility Study for Area 40 and Final RI Report. The agencies are currently reviewing the draft FS.
- W **Area 39 Open Space**. NO CHANGES.

X Treatability Studies: NO CHANGES

- i) Encapsulated Bacteria for NDMA Destruction. Microvi expanded pilot study has been completed. Shown to be effective but inconsistent.
- ii) **Area 40 PRB.** NO CHANGES. PRB still reducing VOC and perchlorate concentrations.
- iii) Use of So. Cal perchlorate ion exchange resin to pretreat IX system at Aerojet. Evaluation completed. Full scale pilot at ARGET has also been completed.

Y Eastern Operable Unit. NO CHANGES Preparing Remedial Investigation report.

Z Central Operable Unit. NO CHANGES Preparing Remedial Investigation report

AA Cavitt Ranch Operable Unit – NO CHANGES Aerojet has prepared a remedial investigation sampling plan and the Agencies have this under review.

BB Groundwater – General. Aerojet has submitted a 2016 draft groundwater monitoring plan and the Agencies have provided comments.

CC NPDES Permit.

DD Aerojet Landfills. Aerojet has received approval of its revised Clean Closure Plan and the Post-Closure maintenance plan. Aerojet completed a pilot study to test out the removal activities and has solicited bids for the removal. Results of the pilot test will come soon. Soil vapor monitoring showed no significant methane concentrations – one probe had detectable concentrations. Cap inspection showed no issues with the cap, but had some accumulated debris that needed to be removed from the drainage channels.

IRCTS:

1. **Sigma Complex In-situ Bioremediation of Groundwater.** Boeing has turned the system off and is evaluating rebound in groundwater. Concentrations of perchlorate have been reduced significantly. No changes.
2. **White Rock Road Dumps 1 and 2.** NO CHANGES. Closure is complete. Developing Land Use Covenants
3. **GET F Sprayfield and PBA.** NO CHANGES Two extraction wells are operational and are sending the water to GET EF. Six Sprayfield extraction wells will be hooked up later this year or early next year. Aerojet has proposed additional soil remedial actions for the PBA and is revising the plan based on agency comments.
4. **GET H-B.** Evaluating plume in the vicinity of the runway on Mather Field and construction of additional monitor wells to help define the plume is underway.
5. **SGSA Treatment System** – Boeing supplied a revised contingency plan and the agencies have approved it. Adding extraction wells and monitor wells to enhance plume containment near Sunrise Boulevard, north of Douglas Road. Two extraction wells and two monitor wells have been completed. Have added an additional monitor well south of Douglas Road to help define plume and plume capture there.
6. **Groundwater General.** Boeing/Aerojet has submitted the 2015 Groundwater Monitor Report. Under review by the Agencies.
7. **Soils General.** Aerojet has proposed some building removal/securing and debris removal to eliminate potential hazards to trespassers and will be undertaking that task shortly.